



ENVIRONMENTAL CONSULTANTS

300 S. WACKER DRIVE, SUITE 2050
CHICAGO, IL 60606
(P) 312.465.1740
(F) 262.523.9001

**Crawford Station MGP Site
Chicago, Illinois**

Weekly Field Progress Report

Report Date: May 4, 2012

Prepared By: Natural Resource Technology, Inc. (NRT)
Kyle J. Bareither
Timothy B. Norris, PG
John M. Nardozzi, PE

Submitted To: Integrys Business Support, LLC (IBS)
Naren M. Prasad, PE

Activity Period: April 22, 2012 through April 28, 2012

The following summarizes the environmental field activities performed by NRT on behalf of IBS at the former Crawford Station MGP site Time Critical Removal Action (AOC V-W-11-C-981):

Task	Environmental Activities
General Description of Work Performed:	<p>The following activities were conducted:</p> <ul style="list-style-type: none">• Areas A, D, FA, Q, N and O were excavated down to the design depth (14') in the area adjacent to the 18' diameter sanitary sewer. In order to maintain even loading on the sewer Area O was excavated to 14 feet bgs, deeper than the design depth of 10 feet bgs. Area O was also excavated slightly north of the design limits to maintain even loading on the sanitary sewer in order to complete the excavation in Area A.• Thatcher installed the bracing wall in Area L, M, and N and is now working on installing the walers.• 13 loads of bed ash were delivered to the site to be mixed with material from the Amendment Area of Area D and FA. After mixing the amended material with bed ash, the material sat for approximately 24 hours and samples were collected for waste profiling prior to being hauled off site. Approximately 1,650 yards of material was amended through the use of bed ash.• Rusmar foam and woodchips were used in active excavation and on stockpile in order to mitigate odors as needed.• Excavated soils were loaded and transported to Waste Managements' Laraway Road RDF landfill for disposal. A total of 9,132 tons of material was disposed of at the landfill bringing the overall project total to 88,595 tons.

Task	Environmental Activities
General Description of Work Performed (continued):	<ul style="list-style-type: none"> Utilized GPS to locate pertinent items and features. NRT conducted air monitoring activities for PM₁₀ through the use of DustTraks, 12-hour time-weighted samples for BTEX and Naphthalene through the use of SUMMAs, and real time VOC concentrations using PIDs. Additionally, no odor/dust issues were noted at the perimeter of the site.
Sampling Activities Performed:	<p>NRT conducted the following sampling activities:</p> <ul style="list-style-type: none"> DustTraks collected particulate data each day and data has been downloaded for analysis. Four SUMMA canisters, which included one duplicate, were deployed on April 25, 2012 and sent to TestAmerica Laboratory for analysis for BTEX and Naphthalene. Eight post-excavation base samples (EB-27 through 34) were collected from Areas A, D, Q, O, and FA. These samples were analyzed for constituents listed in the RAWP for post-excavation. Seven samples were collected from post-amendment stockpiles to verify compliance with landfill disposal criteria. The samples were analyzed for Benzene.
NRT Field Personnel:	Kyle J. Bareither and Timothy B. Norris PG.
Equipment Deployed:	SUMMA Canisters DustTraks PIDs Multi-gas meter
Field Photos:	See attached sheets.

Mr. Ross del Rosario from the USEPA, Mr. Naren Prasad of IBS, LLC and representatives from the EPA's budget committee visited the site on April 23, 2012. Mr. del Rosario provided a brief overview of the history of the site in addition to the current site activities followed by a site tour.

Mr. Naren Prasad of IBS, LLC visited the site with additional representatives from IBS, LLC (Connie Lawniczak, Brian Bartoszek and Phil Mikulsky) on April 24, 2012. Mr. Naren Prasad provided an update to the representatives and then provided a site tour encompassing all of the current and projected site activities.

Mr. Jim Hahnenberg from the USEPA visited the site on both April 26, 2012 and was given a brief update and tour of the site.

A group from Peoples Gas was on-site on April 18, 2012 to discuss future excavation activities in the vicinity of their on-site natural gas pipelines.

Water is being pumped from the open excavations as needed. Water is sent through the Water Treatment System and discharged into the City of Chicago sewer for discharge into the MWRD system. Work planned for the coming week, April 29, 2012 through May 5, 2012, is as follows:

- Amend remaining material from Areas D, FA, and HA with bed ash. Amended material will be analyzed for total benzene for waste profiling purposes.
- Take floor samples from the area along the 18' diameter sanitary sewer every 50' as Tecnica excavates this area within the easement (Area AA).
- Take floor samples as they become available in Areas A, C, E and G just east of where the excavation within the sheetpile area was completed.
- Conduct Full Scale Air monitoring consisting of one 12-hour SUMMA can sampling event per week. The days of the 12-hour sampling will be determined to coincide with excavation activities.
- Receive and review post-excavation confirmation, post amendment, and air sampling from TestAmerica.

A weekly field progress report will continued to be issued throughout the duration of field activities for this Time Critical Removal Action. A written report summarizing the results and findings of the Removal Action will be provided following completion of all field activities.

A summary of the construction activities as detailed by the Construction Manager have been included with this report as Attachment 1.

Please feel free to contact us if you have any questions.

Sincerely,

NATURAL RESOURCE TECHNOLOGY, INC.



Timothy B. Norris, PG
Geologist

Attachment 1: Burns and McDonnell Construction Management Report

Field Photos:



Photo 1: Excavation adjacent to the 18 foot diameter sanitary sewer during the EPA budget committee site visit.

Direction: Facing northwest.

Photo Date: 4/23/2012

Photo Taken By: KJB



Photo 2: Excavation completed to design depth (14 ft.) along the east and west side of the 18 foot diameter sanitary sewer in Areas D, FA, Q and O.

Direction: Facing north.

Photo Date: 4/24/2012

Photo Taken By: KJB



Photo 3: Tecnica amending soils from Area D and Area FA through the use of bed ash.

Direction: Facing southwest.

Photo Date: 4/25/2012

Photo Taken By: KJB

Field Photos (continued):



Photo 4: Preparation for the installation of the sheetpile (bracing) wall in Area M and Area N.

Direction: Facing west

Photo Date: 4/26/2012

Photo Taken By: KJB



Photo 5: Delivery of bed ash to be used in amending soils from designated amendment areas.

Direction: Facing northwest

Photo Date: 4/26/2012

Photo Taken By: KJB



Photo 6: Tecnica utilizing their on-site water truck to mitigate dust while amending impacted soils with bed ash.

Direction: Facing northeast.

Photo Date: 4/27/2012

Photo Taken By: KJB



1431 Opus Place, Suite 400
Downers Grove, Illinois 60515

Week of: 4/22/12 to 4/28/12

**Subject: Site Remediation – Construction Management
Peoples Gas – Former Crawford Station**

Burns & McDonnell Personnel Onsite

Site Construction Manager

- Bal Berena

Site Remediation Supervisor

- Bernard Gill

Construction Manager

- Dave D'Armond

Others

- Chad Hawthorn
- Eduardo Gasca

Subcontractors Onsite

- Tecnica Environmental Services
- Thatcher Foundations

Others

- Natural Resource Technology (NRT)
- Waste Management (Dave Weber, Steve Jiskra; and Vito Pesoli - MT Transit)

Integrays Peoples Gas Personnel Onsite

- Naren Prasad (PGL)
- Phil Mikulsky, Brian Bartoszek and Connie Lawniczak (Integrays)
- Mike Anderson, Steve Griffin and Calixto Arroyo (PGL)
- Jeff Gabriel (PGL)
- Tony Gleiznis (PGL)

Miscellaneous Visitors

- Ross del Rosario and others (USEPA)
- James Hahnenberg (USEPA)
- Van Sutphen (Thatcher)
- Mario Lipira (Michels Pipeline)
- Mike Kroll (Mintek)

Site Activities

BURNS & MCDONNELL

- Managed site activities with Tecnica Environmental, Helm Electrical Services, and Thatcher Foundations;
- Escorted USEPA and PGL personnel during site visit;
- Issued trucking tracking forms for all excavated soils from Areas L, M, N, and south of R;
- Tracked 233 loads (4,380 tons) for Biopile and 253 loads (4,753 tons) for Direct soils disposal at Laraway Landfill;
- Received 0 loads of wood chips for odor control and moisture containment;
- Received 13 loads (321 tons) of bed ash used for amendment to reduce benzene concentration;

- Pumped and discharged 206,091 gallons of treated excavation water to MWRD;
- Conducted periodic Quality Control checks on water treatment system;
- Participated in daily subcontractor pre-task analysis safety meetings on site;
- Conducted periodic health and safety air monitoring in excavation area;
- Re-surveyed cell corners of areas N, W, H, F and D;
- Held the weekly site construction meeting with Supervisors of Subcontractors, Waste Management; and
- Monitored site conditions for traffic, dust, odor and overall safety.

TECNICA ENVIRONMENTAL SERVICES

- Excavated and loaded out soils from areas A, D, FA, N, O and Q;
- Controlled odors through foaming and wood chips use;
- Tecnica continued breaking concrete generated from areas FA, D, O, N and Q;
- Actively suppressed dust on site through watering and haul road maintenance;
- Operated and maintained truck scale;
- Assisted BMcD in water treatment system operation and maintenance;
- Continuously monitored site fencing, silt fence, and erosion control materials;
- Assisted NRT collecting floor samples in FA and D;
- Completed backfilling north half of site ERS along the west property line 8 feet below ground surface;
- Performed routine maintenance on decon pad, tracking pad and haul road;
- Pump water from areas Q and R;
- Assisted Thatcher in preparation of south half Earth Retention System (ERS); and
- Amended soil using bed ash to reduce benzene concentration.

THATCHER FOUNDATIONS

- Finished removing anchor walls (45pairs) and bracing in the north half of sheeting ERS;
- Pre-drilled 380 feet and installed 46 pairs of sheets (257 wall feet) in south half ERS; and
- Assisted Jeffrey Gabriel (PGL) installing anode's main cable to the main sheeting wall south west corner of south half ERS.

Changes to Scope of Work

- Continued to excavate to the south of original boundaries of Area R.
- Wood on sides of sewer had tar weeping out down to the bottom elevation of sewer; City of Chicago Water Department investigating – will send inspector to give final approval for digging to sewer bottom.

Open/Outstanding Items

- City of Chicago Water Department needs to inspect sewer prior to excavation to bottom.

Anticipated Activities for the Week of April 29, 2012

- After City of Chicago sewer inspection, excavate each side of north half of sewer to bottom of sewer to remove tar and tar saturated wood, followed by testing and backfill;
- Excavate and load out in areas FA, A, B, D and south of R;
- Continue installing south half ERS; and
- Pump water from areas O, Q and south of R.



Crawford Station Site:

Remediation

Date: April 24, 2012

Description: Looking north east at amended material from areas FA and D using bed ash to reduce benzene concentration.



Crawford Station Site:

Remediation

Date: April 24, 2012

Description: North half ERS anchor wall and bracing removed. View from the south.



Crawford Station Site:

Remediation

Date: April 26, 2012

Description: ABI machine pre drilling south half ERS areas I, L, M and N. View is from the east.



Crawford Station Site:

Remediation

Date: April 27, 2012

Description: Looking down at main anode cable temporarily welded in the main sheeting wall south west corner of south half ERS.